

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-004

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period April 19-25, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period 04/19-04/25

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No Incidents reported. Four Critical Control Verifications were conducted during the reporting period. All required controls were identified as present during observations tasks.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer for the reporting period. Newmont continues to notify the Tribe of all mobilizations and demobilizations.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, April 24, 2019 at the on-Site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Jacobs
- US Army Corps of Engineers
- Dawn Mining Company (DMC)/Newmont
- Stantec
- WME
- AJAX Ltd.

Meeting Action Items:

- None

EPA Plan/Document Approvals:

- None

Regulatory Site Visit(s):

- Mark Fillius of the US Army Corps of Engineers representing EPA was on Site on April 23 through 25.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of April 19-25, 2019, the following activities were conducted:

- Excavating, hauling and placing material from the Lime Protore Stockpile 8 (Stockpile 8, low reactivity material), Protore Stockpile 4 (Stockpile 4, high activity/high reactivity material), Ore & Protore Stockpile 5 (Stockpile 5, high activity/high reactivity material) and South Waste Rock Pile (SWRP, low activity/low reactivity material) continued. Material from SWRP and Stockpile 8 were placed on the east and west side of Pit 4 to create the 20' rind buffer area. Some material from SWRP was placed at the south end of the pit to start forming the 20' rind for the top surface. The materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul materials volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume ¹ yd ³
April 19-25, 2019	3,194	89,432
2019 Cumulative	10,778	301,784

1 – Truck load assumed to be 28 yd³

- Completed relocation of the HDS generator to the area of the HDS Vault on April 22nd.
- Brush and trees felled in 2018 were hauled from the west side of Pit 4 to the timber stockpile at the north end of the Temporary Impacted Soil Stockpile (TISS).
- Monthly fence inspection was completed on April 23rd. Fence inspection report will be included in the monthly report.
- Pit 4 tension crack was measured on April 22nd. The horizontal distance between movement pins remains at 53.75 inches.
- Placed material around the dewatering risers with verticality of the risers verified during material placement using GPS equipment. The risers remain at 210' to the Underdrain Sump (UDS) and 170' to the Waste Rock Dewatering Sump (WRDS).

Stormwater Pollution Prevention Plan (SWPPP) Activities

- None

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- CAT 745 articulated haul truck

The following equipment was demobilized from the Site during this reporting period.

- None

All non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-Site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- None

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was exceeded on April 24th. It was determined that the elevated TSP levels were caused by smoke from controlled burns being performed outside the Site. The dust monitors were turned off for the remainder of the shift and a TSP alarm report was completed and posted to the project SharePoint site.

Bison Engineering performed monthly calibrations of the dust monitors on April 25th.

Table 2 - TSP Dust Monitoring Locations during reporting period Apr 19 – Apr 25, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thu
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/N	D/N	D/E	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/N	D/N	D/E	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/N	D/N	D/E	D/N
ES-4 (roving)	Light vehicle road east of Stockpile 4	04/01/19	D/N			D/N	D/N	D/E	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4 next to portable light plant.	04/01/19	D/N			D/N	D/N	D/E	D/N
ES-7 (roving)	Southeast corner of Area 5	04/02/19	D/N			D/N	D/N	D/E	D/N
ES-8 (roving)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, etc.) – No Operation * Equipment malfunction (Battery)									

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted before or during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Approval Date
02272-06	South Pond Geomembrane	4/24/2019	TBD
02275-02	South Pond Geonet	4/25/2019	TBD
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
RFI 2019-03 In Process	Placement of Wood Chips in Waste Containment Areas	3/11/2019	3/15/2019 Approval Denied by EPA Provide Additional Information Based on EPA Request to Address the 5 Items Outlined in their Response
		4/18/2019	Contractor Response to EPA comments submitted for review.
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQA-CQC Field Acceptance Forms			
Acceptance No.	Title		CQC-CQA Issue Date
None			
Other Items			
Item	Title		Comments
None			

A copy of the updated CQA Logs are provided on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature is summarized above within each work-feature section and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- The West Infiltration Collection System Preparatory Meeting was held on 4/18/2019 at the Midnite Mine Conference Room. Site prep work was scheduled for Friday (4/19/2019). Construction of the system is scheduled to begin the week of 4/22/2019.

Initial Phase Inspections

- None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections by CQA during Pit 4 backfill and other construction activities for the following site-specific tasks:

- Pit 4 Backfill
 - Mine waste excavated from Stockpile 8 (low reactivity, high activity) and the South Waste Rock Pile (low activity/low reactivity) was placed along the edges of the pit to construct the 20-foot buffer zone (rind). Mine waste excavated from Stockpiles 4 and 5 (high activity/high reactivity) was placed in areas of the pit bounded by the 20-foot buffer zone.
 - Hauled previously felled trees to the TISS Stockpile.
- WRDS/UDS Risers
 - Utility crew in the process of backfilling and leveling the risers.
- Pit 4 HDS Pump System
 - The HDS pump control system and generator were moved to the new location located adjacent to the HDS pipe vault in Area 5.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee
Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 – Trucks placing material into Pit 4 around the Vertical Dewatering Risers.



Figure 2 – 390 Excavator at Stock Pile 4 truck loading zone.



Figure 3 – Clearing and Grubbing Area West of Pit 4 for the West Infiltration Collection System (WICS), looking south

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

Midnite Mine 2019 Production Schedule				Midnite Mine Remedial Action 3 Week Look Ahead Schedule				Data Date: 25-Apr-19 Print Date: 28-Apr-19			
Activity ID	Activity Name	% Complete	Remaining Duration	Start	Midnite Work Resp.	May 2019					
						21	28	05	12	19	26
Midnite Mine 2019 Production Schedule				134	01-Apr-19 A						
Project Operations				134	01-Apr-19 A						
Pit 4 Operations				134	16-Apr-19 A						
DR10	Install Pit 4 Underdrain Dewatering Risers (LOE)	3%	134	16-Apr-19 A	NMC						
DR20	Install Pit 4 Waste Rock Dewatering Risers (LOE)	3%	134	16-Apr-19 A	NMC						
IC10	Install Pit 4 Infiltration Collectors (LOE)	0%	134	22-Apr-19 A	NMC						
WTP & South Pond Excavation to Pit 4				80	01-Apr-19 A						
Stockpile 2, 3 and 4				72	01-Apr-19 A						
SP8-10	Excavate and Haul remaining portions of Stockpiles 8, 3 and 4	32%	72	01-Apr-19 A	NMC						
South Pond				80	25-Apr-19						
SP3,4&SoPond-30	Excavate and Haul South Pond to Pit 4	0%	89	25-Apr-19	NMC						
SWRP (South Waste Rock Pile) to Pit 4				55	01-Apr-19 A						
SWRP North				55	01-Apr-19 A						
SWRP-N-10	Excavate and Haul SWRP North to Pit 4 (Part 1)	5%	55	01-Apr-19 A	NMC						
SWRP Ramp to CSZ+WTP				20	06-May-19						
SWRP-CSZ+WTP	Excavate and Haul SWRP Ramp to CSZ+WTP to Pit 4	0%	20	06-May-19	NMC						

◆ Current Milestone

■ Actual Work


■ Remaining Work

■ Critical Remaining Work

■ Remaining Level of Effort

■ Actual Level of Effort

Page 1 of 1



◆ ◆ Current Milestone ■ ■ Critical Remaining Work
 ■ ■ Actual Work ■ ■ Remaining Level of Effort
 ■ ■ Remaining Work ■ ■ Actual Level of Effort